

1 **LISTING OF CLAIMS**

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3 1. (Previously presented) A client-side caching system, comprising:  
4 a client for issuing a request based on a user selection for a resource on a  
5 server; and

6 a server for receiving the request and sending a response including a  
7 cookie and a client-side script to the client, wherein the cookie value represents  
8 the last version of the resource, and wherein the client-side script appends the  
9 cookie value to the request for the resource and causes the client to  
10 automatically re-request the resource with the appended cookie value so that if  
11 the last version of the resource is in the client cache, the resource is retrieved  
12 from the client cache rather than from the server, and if not, the resource is  
13 retrieved from the server.

14 2. (Original) The client-side caching system of claim 1, wherein the  
15 resource is a web page, the resource is located at a URL, and the client is a web  
16 browser with a browser cache.

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18 3. (Previously presented) The client-side caching system of claim 1,  
19 wherein the response includes a non-displayed relatively small page and the  
20 cookie is in a response header and the client-side script is in the entity body of  
21 the response.

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23 4. (Previously presented) The client-side caching system of claim 1,  
24 wherein the client-side script that appends the cookie value to the request is  
25 embedded in a displayed page.  
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1           5.     (Previously presented) A server for a client-side caching system,  
2 comprising:

3           a server for receiving a client request for a resource, creating and inserting  
4 a cookie and a client-side script in a response to the client request, wherein the  
5 cookie value represents the last version of the resource, and wherein the client-  
6 side script appends the cookie value to the client request for the resource and  
7 causes the client to automatically re-request the resource with the appended  
8 cookie value so that if the last version of the resource is in the client cache, the  
9 resource is retrieved from the client cache rather than from the server, and if not,  
10 the resource is retrieved from the server.

11           6.     (Previously presented) The server of claim 5, wherein the server  
12 includes a web server for listening to client requests, the resource is a web page  
13 at a URL, and the client-side script appends the cookie value to the URL of the  
14 web page requested to form a rewritten URL and causes the client to  
15 automatically re-request the resource with the rewritten URL, and an application  
16 server for creating the cookie and inserting the cookie into a response header  
17 and inserting the client-side script into the entity body of the response.

18           7.     (Previously presented) The server of claim 6, wherein the server sets  
19 the cookie value by determining the last modified time of each web page in the  
20 same class as the web page which is the subject of the request, and sets the  
21 cookie value to the maximum value of the last modified times.

22           8.     (Previously presented) The client-side caching system of claim 2,  
23 wherein the server sets the cookie value by determining the last modified time of  
24 each web page in the same class as the web page which is the subject of the  
25 request, and sets the cookie value to the maximum value of the last modified  
26 times.

1           9.     (Previously presented) A client-side caching system, comprising:  
2           a client for issuing a request based on a user selection for a resource  
3 stored on a server and for receiving a server response including a cache control  
4 object and a client-side script, wherein the cache control object represents the  
5 correct version of the resource, and wherein the client-side script appends the  
6 cache control object value to the request for the resource, and without another  
7 user selection for the resource causes the client to automatically re-request the  
8 resource with the appended cache control object value so that if the correct  
9 version of the resource is in the client cache, the resource is retrieved from the  
10 client cache rather than from the server, and if not, the resource is retrieved from  
11 the server.

12           10.   (Previously presented) The client-side caching system of claim 9,  
13 wherein the resource is a web page located at a URL, the correct version is the  
14 last version of the resource, and the client is a web browser with a browser  
15 cache.  
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17           11.   (Previously presented) The client-side caching system of claim 10,  
18 wherein the request and the response are HTTP compliant, the response is a  
19 relatively small non-displayed page, the cache control object is a cookie in a  
20 response header, and the client-side script is in the entity body of the response.  
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22           12.   (Previously presented) The client-side caching system of claim 9,  
23 wherein the client-side script that appends the cache control object to the request  
24 is embedded in a displayed page.  
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26           13.   (Previously presented) The client-side caching system of claim 9,  
27 wherein Internet protocols define communication between the client and the  
28 server, and the correct version is the last version of the resource.  
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1       **14. (Previously presented) The client-side caching system of claim 11,**  
2 **wherein the server sets the cookie value by determining the last modified time of**  
3 **each page in the same class as the page which is the subject of the request, and**  
4 **sets the cookie value to the maximum value of the last modified times.**

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6       **15. (Previously presented) A method of client-side caching in a server,**  
7 **comprising:**

8       **receiving a client request for a web page; and**  
9       **inserting a cookie and a client-side script in response to the client request,**  
10 **wherein the cookie value represents the last version of the web page, and**  
11 **wherein the client-side script appends the cookie value to the client request for**  
12 **the web page and causes the client to automatically re-request the web page with**  
13 **the appended cookie value so that if the last version of the web page is in the**  
14 **client cache, the web page is retrieved from the client cache rather than from the**  
15 **server, and if not, the web page is retrieved from the server.**

16       **16. (Previously presented) The method of claim 15, further comprising**  
17 **determining the last modified time of each web page in the same class as**  
18 **the web page which is the subject of the request, and setting the cookie value to**  
19 **the maximum value of the last modified times.**

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21       **17. (Previously presented) The method of claim 15, further comprising:**  
22 **reviewing the extension of the requested web page to determine a run time**  
23 **environment;**  
24 **loading the run time environment; and**  
25 **updating a database with information from the client request.**  
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1       18.   (Previously presented) A method of client-side caching in a browser,  
2 comprising:

3       presenting a user selection for a web page at a URL; and  
4       receiving a server response including a cookie and a client-side script,  
5 wherein the cookie value represents the most recent version of the web page, and  
6 wherein the client-side script appends the cookie value to the URL generating a  
7 rewritten URL and causes the browser to automatically re-request the web page  
8 with the rewritten URL so that if the most recent version of the web page is in the  
9 browser cache, the web page is retrieved from the browser cache, and if not, the  
10 web page is retrieved from the server.

11       19.   (Previously presented) A method performed in a server to implement  
12 client-side caching, comprising:

13       receiving a request from a web browser with a cache based on a user  
14 selection for a web page located at a URL on the server; and

15       sending a response including a cookie and a client-side script to the web  
16 browser, wherein the cookie value represents the last version of the web page,  
17 and wherein the client-side script appends the cookie value to the URL of the  
18 requested web page to form a rewritten URL and causes the web browser to  
19 automatically re-request the web page using the rewritten URL so that if the last  
20 version of the web page is in the web browser cache, the web page is retrieved  
21 from the web browser cache rather than from the server, and if not, the web page  
22 is retrieved from the server.

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24       20.   (Previously presented) The method of claim 19, wherein the client-  
25 side script causes the web browser to automatically re-request the web page  
26 without another user selection.

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28       21.   (Previously presented) The method of claim 19, wherein the  
29 response includes a non-displayed relatively small page and the cookie is in a  
30 response header and the client-side script is in the entity body of the response.

1       **22. (Previously presented) The method of claim 19, wherein the client-**  
2 **side script that appends the cookie value to the request is embedded in a**  
3 **displayed page.**